

2022

Zoology

[HONOURS]

(CBCS)

(B.Sc. Third Semester End Examination-2022)

PAPER-GE3T

Full Marks: 40

Time: 02 Hrs

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

1. Answer any five questions of the following: 5x2=10
- a) Describe the types of locomotary organs of Protozoa.
 - b) Enumerate four distinguishing features of Phylum porifera.
 - c) What type of coelom is present in platy helminthes?
 - d) Define with example monoecious annelids and dioecious annelids. Name of the larval form of annelids
 - e) What is typhlosole? Where pygidium is located in annelids?
 - f) Define osmoregulation in fish.
 - g) Enumerate four distinguishing characters of mammals.
 - h) What are the dental formula of man and elephant? 1+1

(2)

2. Answer any four questions of the following: $4 \times 5 = 20$
- a) Write a note on polymorphism of ctenidaria 5
 - b) Discuss parasitic adaptation of nematodes.
 - c) Write a note on fish migration.
 - d) Enumerate four distinguishing characters of phylum arthropoda.
What is social life of insects. 2-3
 - e) Discuss parental care in amphibia.
 - f) Write a note of flight adaptation of birds.
 - g) Discuss metamerism of annelids.

3. Answer any one question: $1 \times 10 = 10$
- a) Give an account of the lifecycle of Plasmodium vivax. 10
 - b) Why is the canal system important in porifera? Describe the different types of canal systems found in porifera 2+8
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